

Project Name: LOC
Project Code: LOC **Site ID:** B970 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	K.J. Smith	Locality:	
Date Desc.:	//	Elevation:	No Data
Map Ref.:	Sheet No. : 9342 1:100000	Rainfall:	0
Northing/Long.:	152.351388888889	Runoff:	No Data
Easting/Lat.:	-27.673611111111	Drainage:	Moderately well drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Shale

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Hills
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	4.4 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Gn375
		Great Soil Group:	Soloth

Site Disturbance: Limited clearing, for example selective logging

Vegetation:

Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Acacia species
Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - None Recorded

Surface Coarse Fragments: 2-10%, cobbly, 60-200mm, , Sandstone

Profile Morphology

A1	0 - 0.05 m	Dark brown (7.5YR3/4-Moist); ; Fine sandy clay loam; Moderate grade of structure, 2-5 mm, Subangular blocky; Moist; Very weak consistence; Field pH 6 (pH meter); Clear change to -
A2	0.05 - 0.1 m	Yellowish red (5YR5/6-Moist); ; Light clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Moderately moist; Very firm consistence; Field pH 5.7 (pH meter); Clear change to -
B21	0.1 - 0.35 m	Red (2.5YR5/8-Moist); , 2.5Y74, 20-50% , 0-5mm, Faint; , 20-50% , 0-5mm, Faint; Medium clay; Strong grade of structure, 10-20 mm, Subangular blocky; Moderately moist; Very firm consistence; Field pH 5.7 (pH meter); Gradual change to -
B22	0.35 - 0.5 m	Yellow (10YR7/6-Moist); , 7.5YR68, 20-50% , 0-5mm, Faint; , 20-50% , 0-5mm, Faint; Light medium clay; Weak grade of structure, Subangular blocky; Field pH 5.7 (pH meter); Clear change to -
C	0.5 - 0.65 m	;

Morphological Notes

C Grey weathered micaceous shale.

Observation Notes

WAS LV339:

Site Notes

LOCKYER

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity		%
0 - 0.1	5.5A	0.068A	5J	11.4	1.05	0.1		15.9F	0.63
0.05 - 0.1	5.3A	0.085A	4.4J	16.8	1.35	0.5		20F	2.50
0.1 - 0.35	4.9A	0.076A	1.8J	17.6	1.11	1.4		27.1F	5.17
0.4 - 0.5	4.7A	0.179A	1J	18.1	0.82	2.5		26.4F	9.47
0.5 - 0.6	6.4A	0.369A	3J	20.1	1.06	3.5		26.3F	13.31

[illegible][illegible]

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Laboratory Analyses Completed for this profile

15F1_CA	Exchangeable bases by 0.01M silver-thiourea (AgTU)+, no pretreatment for soluble salts
15F1_CEC	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_K	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_MG	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_NA	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F2_AL	Extractable Al(%) - Silver Thiorea
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension